000 +V -V DC ch Corn DC OK 0

PSC-20 Series Version 2



Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
 Installed on DIN rail TS35 / 7.5 or 15

- Installed on DIN rail 153577.5 or 15
 DC OK relay output
 All wiring 105°C long life electrolytic capacitors
 High operation temperature up to 70°C
 Withstands 2G vibration test
 High efficiency, long life and high reliability
- - 3 year warranty
 NEC Class 2 compliant

 - UL508 (Industrial control equipment) listed

	Cat. No.	PSC-2005	PSC-2012	PSC-2015	PSC-2024
OUTPUT	DC VOLTAGE RATED CURRENT	5V 3A	12V 1.67A	15V 1.34A	24V
					1.0A
	CURRENT RANGE	0-3A	0 ~ 1.67A	0 ~ 1.34A	0 ~ 1.0A
	RATED POWER	15W	20 W	20 W	24 W
	RIPPLE & NOISE (max)	80mVp-P	120mVp-p	120mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	5-6V	10.8 ~ 13.2V	13.5~ 16.5V	21.6 ~ 26.4V
	VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±2.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME		OVAC; 1000ms/115VAC a		1.070
		·	1	ii iuli iudu	
INPUT	HOLD UP TIME (Typ.)	> 30ms/115VAC at full load			
	VOLTAGE RANGE	85-264VAC / 120-370VDC Derating may be needed under low input voltages. Please check the derating curve for more details.			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY (Typ.)	76%	80%	81%	84%
	AC CURRENT (Typ.)	0.33A/115VAC ; 0.21A		0170	0470
			VZJUVAU		
	INRUSH CURRENT (Typ.)	35A/115V ; 70A/230V			
	LEAKAGE CURRENT	< 0.25mA/240VAC			
PROTECTION	OVERLOAD PROTECTION	>105%-150% Rated Output Power			
			 recovers automatically after fau 		
	OVERVOLTAGE PROTECTION	8.4~ 9.5V	15.6 ~ 18V	23.5 ~ 26.4V	31.2 ~ 36V
		Protection type : Shut down o/p voltage, re-power on to recover			
	OVER TEMPERATURE PROTECTION	Shut down o/p voltage, re-power on to recover			
	OVER CURRENT	110%-180%			
NVIRONMENT	WORKING TEMP.	$-20 \sim +70^{\circ}$ C (Refer to output load derating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C) 10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes			
	VIBRATION	10 ~ 500Hz, 2G 10mir	n. / 1cycle, 60 min. each	long X,Y, Z axes	
SAFETY & EMC	SAFETY STANDARDS	UL508, BS/EN62368-1, NEC Class 2 Compliant			
	WITHSTAND VOLTAGE	I/P-0/P:3KVAC I/P-FG:2KVAC 0/P-FG:0.5KVAC			
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG:100M 0hms / 500VDC / 25°C / 70% RH			
	EMI CONDUCTION & RADIATION	BS/EN55032 (CISPR32) Class B			
	HARMONIC CURRENT	BS/EN61000- 3-2,-3, , EAC TP TC 020			
	EMS IMMUNITY	BS/EN61204-3 Class B, CNS13438 Class B			
	DC OK Signal	Active signal (See app	lication notes)		
OTHERS	MTBF	• • • • •	oad 25°C ambient temp		
	DIMENSION	22.5 x 92 x 100 mm (WxHxD)			
	PACKING	0.140Kg each / 0.32 LBs each / 1 piece / 100 pieces per CTN			
	CONNECTION	I/P 3 poles, O/P: 6 poles screw DIN terminal			
	COOLING	Free air convection			
NOTES	 All parameters NOT specially m Ripple & noise are measured at Tolerance : includes set up tole The power supply is considered that it still meets EMC directive Length of set up time is measu 	20MHz of bandwidth by usi rance, line regulation and lo a component which will be s. For guidance on how to p	ing a 12" twisted pair-wire t ad regulation. installed into a final equipm erform these EMC tests, plea	erminated with a 0.1 of & 47 o nent. The final equipment must ase refer to "EMI testing of co	f parallel capacitor. st be re-confirmed imponent power supplies

Ver-2

For the latest on Altech Power Supplies please visit www.altechcorp.com/power.

